

CURRICULUM MAP GRADE 7
NORTH SMITHFIELD SCHOOL DEPARTMENT

UNIT	COMMON CORE CLUSTERS AND STANDARDS Curriculum Common Core Math Grade7.docx	MATHEMATICAL PRACTICE
UNIT 1 The Number System	<ul style="list-style-type: none"> Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers. 7.NS.1, 2, 3 	<ul style="list-style-type: none"> □ Make sense of problems and persevere in solving them. MP.1 □ Reason abstractly and quantitatively. MP.2 □ Construct viable arguments and critique the reasoning of others. MP.3 □ Model with mathematics. ★ MP.4 □ Use appropriate tools strategically. MP.5 □ Attend to precision. MP.6 □ Look for and make use of structure. MP.7 □ Look for and express regularity in repeated reasoning. MP.6
UNIT 2 Expressions and Equations	<ul style="list-style-type: none"> Use properties of operations to generate equivalent expressions. 7.EE.1, 2 Solve real-life and mathematical problems using numerical and algebraic expressions and equations. 7.EE.3, 4 	
UNIT 3 Ratios and Proportions	<ul style="list-style-type: none"> Analyze proportional relationships and use them to solve real-world and mathematical problems. 7.RP.1, 2, 3 Draw, construct, and describe geometrical figures and describe the relationships between them. 7.G.1, 2 	
UNIT 4 Statistics and Probability	<ul style="list-style-type: none"> Analyze proportional relationships and use them to solve real-world and mathematical problems. 7.RP.3 Use random sampling to draw inferences about a population. 7.SP.1, 2 Draw informal comparative inferences about two populations. 7.SP.3, 4 Investigate chance processes and develop, use, and evaluate probability models. 7.SP.5, 6, 7, 8 	
UNIT 5 Geometry	<ul style="list-style-type: none"> Solve real-life and mathematical problems using numerical and algebraic expressions and equations. 7.EE.3, 4 Draw, construct, and describe geometrical figures and describe the relationships between them. 7.G.3, 5 Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 7.G.4, 6 	